

Recovery Plan Action Status

Plan Name: Alabama Leather-flower

Plan Status: Final

Plan Date: 27-Dec-89

Lead Agency: USFWS

Lead Office: Mississippi Ecological Services Field Office

(601)

965-4900)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Alabama leather flower (Clematis socialis)	1	1	Protect and manage populations	Ongoing Current	Prior to FY 1995		The Nature Conservancy, Alabama Forestry Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Alabama Highway Department	Acquisition: Easement, Acquisition: Exchange, Acquisition: Fee Title, Acquisition: General, Acquisition: Lease, Acquisition: Management Agreement, Management: General, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Regulations	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance	TNC's Dry Creek Preserve, established in 1986, protects one of the largest populations in AL; voluntary protection/management agreement for another site.
Alabama leather flower (Clematis socialis)	3	10	Seed biology/seedling ecology studies	Partially Complete	FY 1995 - FY 1999		Center for Plant Conservation, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama leather flower (Clematis socialis)	3	11	Genetic analysis	Partially Complete	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Genetics	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	additional studies undertaken in 1996 and 2006
Alabama leather flower (Clematis socialis)	1	12	Management technique experiments	Partially Complete	Prior to FY 1995		Alabama Forestry Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Management: Habitat Maintenance and Manipulation	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Alabama leather flower (Clematis socialis)	1	13	Site management plans	Partially Complete	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	site management plans completed for most sites but revisions needed
Alabama leather flower (Clematis socialis)	2	14	Establish seed bank	Partially Complete	Prior to FY 1995		Center for Plant Conservation, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Volunteer	Species is established in CPC's National Collection of Endangered Plants
Alabama leather flower (Clematis socialis)	2	15	Maintain material in cultivation	Partially Complete	FY 1995 - FY 1999		Center for Plant Conservation, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement	Research: Other Information	Contract, Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Species established in CPC's National Collection of Endangered Plants
Alabama leather flower (Clematis socialis)	2	16	Investigate propagation techniques	Not Started			Center for Plant Conservation, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement	Management: Propagation	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Partially included under task 5.2
Alabama leather flower (Clematis socialis)	2	17	Identify introduction sites	Unknown			USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Management: Reintroduction	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Partially accomplished under task 1.2. Will be implemented if determined to be necessary
Alabama leather flower (Clematis socialis)	2	18	Establish and monitor populations	Unknown			USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Other Information, Research: Reintroduction	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Four outplanting sites were established in Floyd County, GA by TNC, GADNR, and Chattahoochee Nature Center in 2007 and 2009. Monitoring is ongoing.

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Alabama leather flower (Clematis socialis)	3	19	Educate public	Partially Complete	Prior to FY 1995		The Nature Conservancy, Center for Plant Conservation, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement	Other: Information and Education	Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama leather flower (Clematis socialis)	2	2	Search for additional populations	Ongoing Current	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Surveys are ongoing in Alabama.
Alabama leather flower (Clematis socialis)	2	3	Determine population size/viability	Ongoing Current	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama leather flower (Clematis socialis)	2	4	Design monitoring study and gather baseline data	Ongoing Current	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Demographic Studies, Research: Habitat Requirements, Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Populations are monitored annually.
Alabama leather flower (Clematis socialis)	2	5	Conduct periodic monitoring	Ongoing Current	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Populations are monitored annually.
Alabama leather flower (Clematis socialis)	2	6	Analyze physical habitat	Partially Complete	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Habitat Requirements	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	information gathered for most sites

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Alabama leather flower (Clematis socialis)	2	7	Determine community composition/structure	Partially Complete	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Habitat Requirements, Research: Habitat Status	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	information gathered for all but a few sites
Alabama leather flower (Clematis socialis)	3	8	Study reproduction biology	Partially Complete	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama leather flower (Clematis socialis)	3	9	Rhizome dormancy	Not Started			USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Contractor	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	